[Return to the USPTO NPL Page](#) | [Help](#)

Interface language:

English ▼

Databases selected: Multiple databases...




## Results

9 documents found for: (*d-cubed "dimensional constraint manager"*) AND PDN  
(<2/25/2002)

>> [Refine Search](#) | [Set Up Alert](#) ☒[All sources](#) | [Trade Publications](#)☐ Mark all ☐ 0 marked items: [Email](#) / [Cite](#) / [Export](#)☐ [Show only full text](#)Sort results by: [Most recent first](#) ▼

- 
- |  |                          |
|--|--------------------------|
| <input type="checkbox"/> 1. <b><a href="#">Component behavior simulation refined</a></b><br><i>Joe Greco. DPN : Design Product News.</i> Willowdale: Jan/Feb 2002. Vol. 30, Iss. 1; p. 25 (1 page) | <a href="#">Abstract</a> |
|--|--------------------------|
- 
- |  |   |
|--|---|
| <input type="checkbox"/> 2. <b><a href="#">Deals</a></b><br><i>Anonymous. Manufacturing Engineering.</i> Dearborn: May 2001. Vol. 126, Iss. 5; p. 40 (2 pages) | <a href="#">Full text</a> <a href="#">Page Image - PDF</a> <a href="#">Citation</a> |
|--|---|
- 
- |  |   |
|--|---|
| <input type="checkbox"/> 3. <b><a href="#">The advancing state of solid modeling</a></b><br><i>Robert Mills. Computer - Aided Engineering.</i> Cleveland: Sep 1998. Vol. 17, Iss. 9; p. 56 (6 pages) | <a href="#">Text+Graphics</a> <a href="#">Page Image - PDF</a> <a href="#">Abstract</a> |
|--|---|
- 
- |  |   |
|--|---|
| <input type="checkbox"/> 4. <b><a href="#">SolidWorks 98</a></b><br><i>Beverly A Beckert. Computer - Aided Engineering.</i> Cleveland: May 1998. Vol. 17, Iss. 5; p. 28 (1 page) | <a href="#">Full text</a> <a href="#">Page Image - PDF</a> <a href="#">Abstract</a> |
|--|---|
- 
- |   |   |
|---|---|
| <input type="checkbox"/> 5. <b><a href="#">Autofact '97: Making manufacturing accessible</a></b><br><i>Janmarie Knoth. Computer - Aided Engineering.</i> Cleveland: Oct 1997. Vol. 16, Iss. 10; p. 36 (9 pages) | <a href="#">Text+Graphics</a> <a href="#">Page Image - PDF</a> <a href="#">Abstract</a> |
|---|---|
- 
- |   |   |
|---|---|
| <input type="checkbox"/> 6. <b><a href="#">Cool CAE sites</a></b><br><i>Anonymous. Computer - Aided Engineering.</i> Cleveland: Aug 1996. Vol. 15, Iss. 8; p. 88 (1 page) | <a href="#">Text+Graphics</a> <a href="#">Page Image - PDF</a> <a href="#">Citation</a> |
|---|---|
- 
- |  |   |
|--|---|
| <input type="checkbox"/> 7. <b><a href="#">The constraint management company</a></b><br><i>Anonymous. Computer - Aided Engineering.</i> Cleveland: Aug 1996. Vol. 15, Iss. 8; p. 26 (1 page) | <a href="#">Full text</a> <a href="#">Page Image - PDF</a> <a href="#">Abstract</a> |
|--|---|
- 
- |   |   |
|---|---|
| <input type="checkbox"/> 8. <b><a href="#">ACIS Tech-Ex '96 explores 3D components</a></b><br><i>Woodlock, Janmarie. Computer - Aided Engineering.</i> Cleveland: Mar 1996. Vol. 15, Iss. 3; p. 26 (1 page) | <a href="#">Full text</a> <a href="#">Page Image - PDF</a> <a href="#">Abstract</a> |
|---|---|
- 
- |   |  |
|---|--|
| <input type="checkbox"/> 9. <b><a href="#">Autodesk Licenses Constraint Management Technology</a></b><br><i>Zarrillo, Andrew. Business Wire.</i> New York: Feb 26, 1990. p. 1 | <a href="#">Full text</a> <a href="#">Abstract</a> |
|---|--|
-

1-9 of 9

Want to be notified of new results for this search? [Set Up Alert](#) Results per page: **30** **Advanced Search** Tools: [Search Tips](#) [Browse Topics](#) [3 Recent Searches](#)  Citation and document text  AND    Citation and abstract  AND    Citation and abstract [Add a row](#) | [Remove a row](#)**Search****Clear**Database:  Multiple databases... [Select multiple databases](#)Date range:  Before this date...  [About](#)Limit results to: ☒ Full text documents only ☒ Scholarly journals, including peer-reviewed  [About](#) [More Search Options](#)Copyright © 2006 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)[Text-only interface](#)**ProQuest**  
COMPANY

[Sign in](#)[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

d-cubed "2d dimensional constraint"

[Search](#)[Advanced Search](#)  
[Preferences](#)**Web**Results 1 - 10 of about 297 for **d-cubed "2d dimensional constraint"**. (0.27 seconds)**UGS: PLM Components: D-Cubed: 2D Dimensional Constraint Manager (DCM)**

The **2D Dimensional Constraint Manager (DCM)** allows you to produce and modify designs in 2D applications and 2D variational sketches of 3D parametric ...

[www.ugs.com/products/open/d-cubed/prod\\_port/2ddcm/index.shtml](http://www.ugs.com/products/open/d-cubed/prod_port/2ddcm/index.shtml) - 20k - [Cached](#) - [Similar pages](#)

**UGS: PLM Components: D-Cubed: Product Portfolio: 2D Dimensional ...**

The **2D Dimensional Constraint Manager** computes the location of the geometry in a 2D model, or sketch, to satisfy dimensions and constraints. ...

[www.ugs.com/products/open/d-cubed/prod\\_port/2ddcm/2ddcm\\_tour\\_1.shtml](http://www.ugs.com/products/open/d-cubed/prod_port/2ddcm/2ddcm_tour_1.shtml) - 17k -

[Cached](#) - [Similar pages](#)

[ [More results from www.ugs.com](#) ]

**AEC Technology Discovering D-Cubed Dimensional Constraint Management**

... a leading structural design CAD program from Tekla Corporation of Espoo, Finland, is the latest CAD vendor to adopt **D-Cubed's 2D Dimensional Constraint** ...

[aecnews.com/articles/1137.aspx](http://aecnews.com/articles/1137.aspx) - 13k - [Cached](#) - [Similar pages](#)

**D-Cubed's Dimensional Constraint Manager—[Journal of Computing and ...**

The **2D Dimensional Constraint Solver**. **D-Cubed** has been an early pioneer in the algebraic approach to solving geometric constraints for 2D problems. ...

[dx.doi.org/10.1115/1.1354994](http://dx.doi.org/10.1115/1.1354994) - [Similar pages](#)

**SGI - Third Party Applications Directory**

**2D Dimensional Constraint Manager** by **D-Cubed Ltd.** The 2D DCM provides dimension driven, constraint based design functionality to CAD/CAM/CAE applications. ...

[www.sgi.com/products/appsdirectory.dir/irix/products/non/958655.html](http://www.sgi.com/products/appsdirectory.dir/irix/products/non/958655.html) - 27k - [Cached](#) - [Similar pages](#)

**Aug 18 - Tekla Integrates D-Cubed 2D DCM in Tekla Structures 11.0**

... Finland, has integrated and released the **D-Cubed 2D Dimensional Constraint Manager (2D DCM)** from UGS PLM Components into Tekla Structures 11.0, ...

[www.tenlinks.com/NEWS/PR/ugs/d\\_cubed/081805\\_tekla.htm](http://www.tenlinks.com/NEWS/PR/ugs/d_cubed/081805_tekla.htm) - 25k - [Cached](#) - [Similar pages](#)

**Jan 21 - D-Cubed Releases 2D DCM v47 for Dimensional Constraints**

The **2D Dimensional Constraint Manager** has been used in an increasing number of 2D and ... Aug 18 - Tekla Integrates **D-Cubed 2D DCM** in Tekla Structures 11.0 ...

[www.tenlinks.com/NEWS/PR/ugs/d\\_cubed/012105\\_dcm47.htm](http://www.tenlinks.com/NEWS/PR/ugs/d_cubed/012105_dcm47.htm) - 23k - [Cached](#) - [Similar pages](#)

[ [More results from www.tenlinks.com](#) ]

**Computer Workstations: IMSI INTEGRATES D-CUBED'S 2D DCM TECHNOLOGY ...**

The agreement enables IMSI to integrate **D-Cubed's 2D Dimensional Constraint Manager (2D DCM)**, the industry standard component software solution for ...

[www.findarticles.com/p/articles/mi\\_go2395/is\\_200409/ai\\_n6398887](http://www.findarticles.com/p/articles/mi_go2395/is_200409/ai_n6398887) - 22k - [Cached](#) - [Similar pages](#)

**[PDF] D-Cubed Acquisition Briefing**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Page 7. 7 **D-Cubed Component Products 2D Dimensional Constraint Manager**, 2D DCM All modern CAD systems use a dimension-driven sketch to ...

[www.dataflow.fr/Brochures/D-Cubed%20Acquisition%20Briefing.pdf](http://www.dataflow.fr/Brochures/D-Cubed%20Acquisition%20Briefing.pdf) - Supplemental Result - [Similar pages](#)

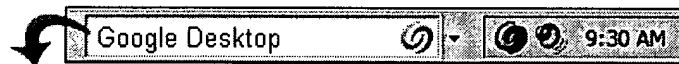
### Main Template

... Systems have recently announced an agreement to distribute **D-Cubed's** 2D DCM and ... The **2D Dimensional Constraint Manager** (2D DCM) helps to maximize the sketching ...  
[www.edgcam.com/uk/news/articles/dcubed\\_ec\\_part\\_modeler.shtml](http://www.edgcam.com/uk/news/articles/dcubed_ec_part_modeler.shtml) - 13k - Supplemental Result -  
[Cached](#) - [Similar pages](#)

Try your search again on [Google Book Search](#)

# Goooooooooooooogle ►

Result Page:    1 2 3 4 5 6 7 8 9 10    [Next](#)



Free! Instantly find your email, files, media and web history. [Download now.](#)

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google

[Sign in](#)[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

d-cubed "2d dimensional constraint"

[Search](#)[Advanced Search](#)  
[Preferences](#)**Web**

Results 11 - 20 of about 297 for d-cubed "2d dimensional constraint". (0.21 seconds)

**Tekla Corporation Integrates D-Cubed 2D DCM in Tekla Structures 11.0**

UGS Corp. announced Tekla Corporation, of Espoo, Finland, has integrated and released the **D-Cubed 2D Dimensional Constraint Manager** (2D DCM) from UGS PLM ...  
 cimdata.com/newsletter/2005/33/03/33.03.13.htm - 8k - [Cached](#) - [Similar pages](#)

**UGS' D-Cubed Subsidiary Announces Availability of the Latest ...**

UGS' **D-Cubed** Subsidiary Announces Availability of the Latest Releases of its **2D Dimensional Constraint Manager** and **Profile Geometry Manager** Components ...  
 cimdata.com/newsletter/2005/34/05/34.05.12.htm - 6k - [Cached](#) - [Similar pages](#)  
 [ [More results from cimdata.com](#) ]

**Science News: SESCOI International to Integrate Component ...**

... The agreement announced today enables SESCOI to integrate **D-Cubed's 2D Dimensional Constraint Manager** (2D DCM) and 3D DCM component products into its own end ...  
 www.findarticles.com/p/articles/mi\_m1200/is\_19\_165/ai\_n6110295 - 22k - Supplemental Result - [Cached](#) - [Similar pages](#)  
 [ [More results from www.findarticles.com](#) ]

**MCAD Article Management - CorpNews - Licom Selects Component ...**

Licom Cites 'Competitive Advantage' for AlphaCAM Customers; **D-Cubed** Consultancy Services Help Speed Implementation of **2D Dimensional Constraint** Software ...  
 www10.mcadcafe.com/nbc/articles/index.php?articleid=139597 - 27k - [Cached](#) - [Similar pages](#)

**MCAD Article Management - CorpNews - D-Cubed Releases Version 45.0 ...**

**D-Cubed** announces the latest release of the 2D DCM, the variational ... The **2D Dimensional Constraint Manager** has been used in an increasing number of 2D ...  
 www10.mcadcafe.com/nbc/articles/index.php?articleid=93289 - 28k - [Cached](#) - [Similar pages](#)  
 [ [More results from www10.mcadcafe.com](#) ]

**isicad: Новости**

20 Jan 2005 **D-Cubed** (дочерняя компания UGS ... последних релизов продуктов **2D Dimensional Constraint Manager** (2D DCM) и ...  
 isicad.ru/ru/news.php?news=145 - 17k - Supplemental Result - [Cached](#) - [Similar pages](#)

**isicad:**

... Jan 2005 UGS' **D-Cubed** Subsidiary Announces Availability of the Latest Releases of its **2D Dimensional Constraint Manager** and **Profile Geometry Manager** Components. ...  
 isicad.ru/news.php?page\_position=1&print=1 - 10k - Supplemental Result - [Cached](#) - [Similar pages](#)  
 [ [More results from isicad.ru](#) ]

**D-Cubed and Pathtrace set up distributorship deal: News from ...**

**D-Cubed** and Pathtrace Engineering Systems have announced an agreement, ...  
 The **2D Dimensional Constraint Manager** (2D DCM) helps to maximize the sketching ...  
 www.manufacturingtalk.com/news/pat/pat176.html - 10k - [Cached](#) - [Similar pages](#)

**2D DCM - 2D Dimensional Constraint Manager**

2D DCM - **2D Dimensional Constraint Manager** view partner information ... company:;  
**D-Cubed** Ltd. entry updated: January 16, 2006 10:23 AM. market segments: ...  
 cms.eservices.hp.com/dspp/mop/mop\_partner\_product\_detail\_IDX/1,1331,15347,00.html - 62k -

[Cached](#) - [Similar pages](#)

**[UGS Community | News](#)**

... The agreement enables IMSI to integrate **D-Cubed's 2D Dimensional Constraint Manager** (2D DCM), the industry standard component software solution for geometric ...

[www.ugsccommunity.com/news\\_full.php?cpfeatureid=1976](http://www.ugsccommunity.com/news_full.php?cpfeatureid=1976) - 12k - Supplemental Result - [Cached](#) - [Similar pages](#)



Result Page: **[Previous](#)** [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) **[Next](#)**

[Search within results](#) | [Language Tools](#) | [Search Tips](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google


[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☐ The ACM Digital Library ☐ The Guide



[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used **d cubed 2d dcm**

Found 76 of 171,143

Sort results by


[Save results to a Binder](#)
[Try an Advanced Search](#)

Display results


[Search Tips](#)
[Try this search in The ACM Guide](#)
☐ Open results in a new window

Results 1 - 20 of 76

 Result page: [1](#) [2](#) [3](#) [4](#) [next](#)

 Relevance scale ☐ ☐ ☐ ☐ ☐

### 1 [A Graph Theoretic Approach for Design and Synthesis of Multiplierless FIR Filters](#)

Khurram Muhammad, Kaushik Roy

 November 1999 **Proceedings of the 12th international symposium on System synthesis**

Publisher: IEEE Computer Society

 Full text available: [pdf\(265.90 KB\)](#)

 Additional Information: [full citation](#), [abstract](#)

[Publisher Site](#)

We present a novel approach which can be used to obtain multiplierless implementations of finite impulse response (FIR) digital filters. The main idea is to reorder filter coefficients such that an implementation based on differential coefficients requires only a few adders. We represent this problem using a graph in which vertices represent the coefficients and edges represent the resources required when the differential coefficient corresponding to the edge is used in a computation. We also pre ...

### 2 [Approximation & refinement: Dynamic remeshing and applications](#)



J. Vorsatz, Ch. Rössl, H.-P. Seidel

 June 2003 **Proceedings of the eighth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

 Full text available: [pdf\(1.53 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Triangle meshes are a flexible and generally accepted boundary representation for complex geometric shapes. In addition to their geometric qualities or topological simplicity, intrinsic qualities such as the shape of the triangles, their distribution on the surface and the connectivity are essential for many algorithms working on them. In this paper we present a flexible and efficient remeshing framework that improves these *intrinsic* properties while keeping the mesh geometrically close t ...

**Keywords:** dynamic meshes, multiresolution modeling, remeshing

### 3 [Application performance improvement on the iPSC/2 computer](#)



S. Arshi, R. Asbury, J. Brandenburg, D. Scott

 January 1988 **Proceedings of the third conference on Hypercube concurrent computers and applications: Architecture, software, computer systems, and general issues - Volume 1**

Publisher: ACM Press

Full text available:  [pdf\(299.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The performance of concurrent computers depends fundamentally on the capabilities of the individual processing nodes and the characteristics of the interprocessor communication system. The Intel iPSC@/2 is significantly better in both categories than the original iPSC (iPSC/1). This paper will briefly compare the hardware of the two machines and then discuss the actual measured performance improvement of several kernels of application codes. The improvements vary from a factor of two an ...

#### 4 Linear-time encodable and decodable error-correcting codes



Daniel A. Spielman

May 1995 **Proceedings of the twenty-seventh annual ACM symposium on Theory of computing**

Publisher: ACM Press

Full text available:  [pdf\(993.36 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

#### 5 Hierarchical microprogram generating system



Eiji Tamura, Mario Tokoro

November 1979 **ACM SIGMICRO Newsletter , Proceedings of the 12th annual workshop on Microprogramming MICRO 12**, Volume 10 Issue 4

Publisher: IEEE Press, ACM Press

Full text available:  [pdf\(1.04 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A general purpose microprogram generating system has been developed to compose, together with a hardware/microprogram debugger, a general purpose development support system for LSI Processor Modules such as Am2900, MMI6700, and/or MACROLOGIC. The microprogram generator, designed to be applicable to a wide variety of microinstruction sets from vertical to horizontal including sophisticated control schemes like pipelining, has a three-level hierarchical structure. The lowest level generator i ...

#### 6 Systematic hardware adaptation of systolic algorithms



M. Valero-Garcia, J. J. Navarro, J. M. Llaberia, M. Valero

April 1989 **ACM SIGARCH Computer Architecture News , Proceedings of the 16th annual international symposium on Computer architecture ISCA '89**, Volume 17 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.00 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we propose a methodology to adapt Systolic Algorithms to the hardware selected for their implementation. Systolic Algorithms obtained can be efficiently implemented using Pipelined Functional Units. The methodology is based on two transformation rules. These rules are applied to an initial Systolic Algorithm, possibly obtained through one of the design methodologies proposed by other authors. Parameters for these transformations are obtained from the specification of the hardw ...

#### 7 Random variate generation for multivariate unimodal densities



Luc Devroye

October 1997 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 7 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(303.84 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A probability density on a finite-dimensional Euclidean space is orthounimodal with a given mode if within each orthant (quadrant) defined by the mode, the density is a monotone

function of each of its arguments individually. Up to a linear transformation, most of the commonly used random vectors possess orthounimodal densities. To generate a random vector from a given orthounimodal density, several general-purpose algorithms are presented; and an experimental performance evaluation illustr ...

**Keywords:** multivariate densities, nonparametric classes, random variate generation, unimodality

## 8 iPSC/2 system: a second generation hypercube ☐



R. Arlauskas

January 1988

**Proceedings of the third conference on Hypercube concurrent computers and applications: Architecture, software, computer systems, and general issues - Volume 1**

**Publisher:** ACM Press

Full text available: [pdf\(458.46 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 9 Invited talks: Hardware acceleration of graphics and imaging algorithms using FPGAs ☐



Pavel Zemcik

April 2002

**Proceedings of the 18th spring conference on Computer graphics**

**Publisher:** ACM Press

Full text available: [pdf\(842.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Computer graphics algorithms and algorithms used in image processing are generally computationally expensive. This fact is the reason why people struggle to accelerate such algorithms using any reasonable means. The traditional sources of speedup are faster processors, parallelism, or dedicated hardware. Development in digital circuit technology, especially rapid development of Field Programmable Gate Arrays (FPGA), offers alternative way to acceleration. Current FPGA chips are capable of running ...

**Keywords:** FPGA, computer graphics, hardware acceleration, image processing

## 10 Time, clocks, and the ordering of events in a distributed system ☐



Leslie Lamport

July 1978 **Communications of the ACM**, Volume 21 Issue 7

**Publisher:** ACM Press


Full text available: [pdf\(854.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The concept of one event happening before another in a distributed system is examined, and is shown to define a partial ordering of the events. A distributed algorithm is given for synchronizing a system of logical clocks which can be used to totally order the events. The use of the total ordering is illustrated with a method for solving synchronization problems. The algorithm is then specialized for synchronizing physical clocks, and a bound is derived on how far out of synchrony the clock ...

**Keywords:** clock synchronization, computer networks, distributed systems, multiprocess systems

## 11

Robbers, marshals, and guards: game theoretic and logical characterizations of hypertree width ☐

-  Georg Gottlob, Nicola Leone, Francesco Scarcello  
 May 2001 **Proceedings of the twentieth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems**  
 Publisher: ACM Press


Full text available:  pdf(293.92 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In a previous paper [10], the authors introduced the notion of hypertree decomposition and the corresponding concept of hypertree width and showed that the conjunctive queries whose hypergraphs have bounded hypertree-width can be evaluated in polynomial time. Bounded hypertree-width generalizes the notions of acyclicity and bounded treewidth and corresponds to larger classes of tractable queries. In the present paper, we provide natural characterizations of hypergraphs and queries having bound ...

## 12 Software architecture for a constraint-based virtual environment



-  Terrence Fernando, Norman Murray, Kevin Tan, Prasad Wimalaratne  
 December 1999 **Proceedings of the ACM symposium on Virtual reality software and technology**  
 Publisher: ACM Press

Full text available:  pdf(887.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Virtual environment technology is now beginning to be recognised as a powerful design tool in industrial sectors such as Manufacturing, Process Engineering, Construction, Automotive and Aerospace industries. It offers the ability to visualise a design from different viewpoints by engineers from different design perspectives providing a powerful design analysis tool for supporting concurrent engineering philosophy. A common weakness of the current commercial virtual environments is the lack ...

**Keywords:** component assembly, constraints, tasks, virtual environments

## 13 Modeling surfaces of arbitrary topology using manifolds




-  Cindy M. Grimm, John F. Hughes  
 September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**  
 Publisher: ACM Press

Full text available:  pdf(303.06 KB)  ps(4.32 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 14 Power & QoS constrained networks: A routing protocol for power constrained networks with asymmetric links



-  Guoqiang Wang, Yongchang Ji, Dan C. Marinescu, Damla Turgut  
 October 2004 **Proceedings of the 1st ACM international workshop on Performance evaluation of wireless ad hoc, sensor, and ubiquitous networks**  
 Publisher: ACM Press

Full text available:  pdf(259.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In many instances, an ad hoc network consists of nodes with different hardware and software capabilities as well as power limitations. This is the case of ad hoc grids where devices such as desktops, laptops, robots, palmtops, sensors, and actuators collaborate to solve computational problems. In such a heterogeneous environment, the nodes have various degrees of mobility and range and the communication links are asymmetric: node  $i$  may be able to reach node  $j$ , but  $j$  may not be able to reach  $i$ . A ...

**Keywords:** forwarding fitness function,  $m$ -limited forwarding,  $m$ -party proxy set

15 Special issue on learning from imbalanced datasets: Extreme re-balancing for SVMs: ☐a case study

Bhavani Raskutti, Adam Kowalczyk

June 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 1**Publisher:** ACM PressFull text available: [pdf\(254.41 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

There are many practical applications where learning from single class examples is either, the only possible solution, or has a distinct performance advantage. The first case occurs when obtaining examples of a second class is difficult, e.g., classifying sites of "interest" based on web accesses. The second situation is exemplified by the gene knock-out experiments for understanding Aryl Hydrocarbon Receptor signalling pathway that provided the data for the second task of the KDD 2002 Cup, where ...

16 Mental Registration of 2D and 3D Visualizations (An Empirical Study) ☐

Melanie Tory

October 2003 **Proceedings of the 14th IEEE Visualization 2003 (VIS'03) VIS '03****Publisher:** IEEE Computer SocietyFull text available: [pdf\(333.20 KB\)](#) Additional Information: [full citation](#), [abstract](#)

2D and 3D views are used together in many visualization domains, such as medical imaging, flow visualization, oceanographic visualization, and computer aided design (CAD). Combining these views into one display can be done by: (1) orientation icon (i.e., separate windows), (2) in-place methods (e.g., clip and cutting planes), and (3) a new method called ExoVis. How 2D and 3D views are displayed affects ease of mental registration (understanding the spatial relationship between views), an importa ...

**Keywords:** 2D and 3D visualization, mental registration, slice, orthographic projection, empirical study, experiment

17 Combining 2D and 3D views for orientation and relative position tasks ☐

Melanie Tory, Torsten Moller, M. Stella Atkins, Arthur E. Kirkpatrick

April 2004 **Proceedings of the SIGCHI conference on Human factors in computing systems****Publisher:** ACM PressFull text available: [pdf\(1.57 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We compare 2D/3D combination displays to displays with 2D and 3D views alone. Combination displays we consider are: orientation icon (i.e., side-by-side), in-place methods (e.g., clip planes), and a new method called ExoVis. We specifically analyze performance differences (i.e., time and accuracy) for 3D orientation and relative position tasks. Empirical results show that 3D displays are effective for approximate navigation and relative positioning whereas 2D/3D combination displays (orientation ...

**Keywords:** 2D and 3D visualization, display design, empirical study, experiment, orientation and relative position tasks

18 Papers: Distributed core multicast (DCM): a multicast routing protocol for many groups with few receivers ☐

Ljubica Blazević, Jean-Yves Le Boudec

October 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 5**Publisher:** ACM Press

Full text available:  [pdf\(1.48 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We present a multicast routing protocol called Distributed Core Multicast (DCM). It is intended for use within a large single Internet domain network with a very large number of multicast groups with a small number of receivers. Such a case occurs, for example, when multicast addresses are allocated to mobile hosts, as a mechanism to manage Internet host mobility or in large distributed simulations. For such cases, existing dense or sparse mode multicast routing algorithms do not scale well with ...

## 19 [Collaboration and cooperation -- I: A 2D-3D integrated environment for cooperative work](#)



Kousuke Nakashima, Takashi Machida, Kiyoshi Kiyokawa, Haruo Takemura  
November 2005 **Proceedings of the ACM symposium on Virtual reality software and technology VRST '05**

**Publisher:** ACM Press

Full text available:  [pdf\(3.00 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper proposes a novel tabletop display system for natural communication and flexible information sharing. The proposed system is specifically designed for integration of 2D and 3D user interfaces, using a multi-user stereoscopic display, IllusionHole. The proposed system takes awareness into consideration and provides both 2D and 3D information and user interfaces. On the display, a number of standard Windows desktop environments are provided as personal workspaces, as well as a shared wor ...

**Keywords:** 2D - 3D integrated user interface, IllusionHole, VNC

## 20 [Spatial Cognition: Evaluating the effectiveness of spatial memory in 2D and 3D physical and virtual environments](#)



Andy Cockburn, Bruce McKenzie  
April 2002 **Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves**

**Publisher:** ACM Press

Full text available:  [pdf\(1.15 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

User interfaces can improve task performance by exploiting the powerful human capabilities for spatial cognition. This opportunity has been demonstrated by many prior experiments. It is tempting to believe that providing greater spatial flexibility-by moving from flat 2D to 3D user interfaces-will further enhance user performance. This paper describes an experiment that investigates the effectiveness of spatial memory in real-world physical models and in equivalent computer-based virtual systems ...

**Keywords:** 3D user interfaces, document management, information visualization, spatial memory

Results 1 - 20 of 76

Result page: [1](#) [2](#) [3](#) [4](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.  
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)



[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

Search: ☒ The ACM Digital Library ☒ The Guide

CAD ("automatically modify margin" OR "automatically modify

**SEARCH**



[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

Terms used **CAD automatically modify margin** OR **automatically modify tolerance**

Found **10,594** of **171,143**

Sort results by

**relevance**



[Save results to a Binder](#)

[Try an Advanced Search](#)

Display results

**expanded form**



[Search Tips](#)

Try this search in [The ACM Guide](#)

☒ Open results in a new window

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐

### 1 [Special issue: AI in engineering](#)



D. Sriram, R. Joobbani

April 1985 **ACM SIGART Bulletin**, Issue 92

**Publisher:** ACM Press

Full text available: [pdf\(8.79 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

### 2 [A roadmap of CAD tool changes for sub-micron interconnect problems](#)



Lou Scheffer

April 1997 **Proceedings of the 1997 international symposium on Physical design**

**Publisher:** ACM Press

Full text available: [pdf\(859.77 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

### 3 [Architecture analysis and automation: Post-placement C-slow retiming for the xilinx virtex FPGA](#)



Nicholas Weaver, Yury Markovskiy, Yatish Patel, John Wawrzynek

February 2003 **Proceedings of the 2003 ACM/SIGDA eleventh international symposium on Field programmable gate arrays**

**Publisher:** ACM Press

Full text available: [pdf\(222.65 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

C-slow retiming is a process of automatically increasing the throughput of a design by enabling fine grained pipelining of problems with feedback loops. This transformation is especially appropriate when applied to FPGA designs because of the large number of available registers. To demonstrate and evaluate the benefits of C-slow retiming, we constructed an automatic tool which modifies designs targeting the Xilinx Virtex family of FPGAs. Applying our tool to three benchmarks: AES encryption, Smi ...

**Keywords:** C-slow retiming, FPGA CAD, FPGA optimization, retiming

4 Designers and their machines: CAD use and support in the US and Japan



Jeffrey K. Liker, Mitchell Fleischer, Mitsuo Nagamachi, Michael S. Zonneville  
February 1992 **Communications of the ACM**, Volume 35 Issue 2

**Publisher:** ACM Press

Full text available: [pdf\(15.85 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** cross-national research on computer use, management of computing, user assessments, user support

5 Power minimization in IC design: principles and applications



Massoud Pedram  
January 1996 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**, Volume 1 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(550.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Low power has emerged as a principal theme in today's electronics industry. The need for low power has caused a major paradigm shift in which power dissipation is as important as performance and area. This article presents an in-depth survey of CAD methodologies and techniques for designing low power digital CMOS circuits and systems and describes the many issues facing designers at architectural, logical, and physical levels of design abstraction. It reviews some of the techniques and tool ...

**Keywords:** CMOS circuits, adiabatic circuits, computer-aided design of VLSI, dynamic power dissipation, energy-delay product, gated clocks, layout, low power layout, low power synthesis, lower-power design, power analysis and estimation, power management, power minimization and management, probabilistic analysis, silicon-on-insulator technology, statistical sampling, switched capacitance, switching activity, symbolic simulation, synthesis, system design

6 High level CAD melds microsystems with foundries



J. M. Karam, B. Courtois, M. Bauge

March 1996 **Proceedings of the 1996 European conference on Design and Test**

**Publisher:** IEEE Computer Society

Full text available: [pdf\(626.86 KB\)](#)



[Publisher Site](#)

Additional Information: [full citation](#), [abstract](#), [citations](#)

Computer-aided-design (CAD) software is needed to design microsystems without excessive complexity and design time. Currently available CAD tools, such as Cadence DF2 or Mentor Falcon Framework, need modifications before they can be used for the automated design of micromachined devices. Work at the CMP has extended the capabilities of Cadence OPUS to microsystem technology. The user is able to generate layout of a microsystem including electronic and non-electronic parts in a commonly used form ...

**Keywords:** CAD, CAD software, CIF format, Cadence OPUS, GDS2 format, Si, automated design, bridges, cantilevers, computer-aided-design, design rules checks, digital simulation, electronic engineering computing, etching, extended extractor, high level CAD, layout generation, membranes, micromachined devices, micromachining, micromechanical devices, microsystem design, netlist generation, parameters extraction, parametrized behavioural models, parametrized cells library, semiconductor process modelling,

simulation

7 Architecture: The microarchitecture of FPGA-based soft processors



Peter Yiannacouras, Jonathan Rose, J. Gregory Steffan

September 2005 **Proceedings of the 2005 international conference on Compilers, architectures and synthesis for embedded systems CASES '05**

**Publisher:** ACM Press

Full text available: [pdf\(202.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As more embedded systems are built using FPGA platforms, there is an increasing need to support processors in FPGAs. One option is the *soft processor*, a programmable instruction processor implemented in the reconfigurable logic of the FPGA. Commercial soft processors have been widely deployed, and hence we are motivated to understand their microarchitecture. We must re-evaluate microarchitecture in the soft processor context because an FPGA platform is significantly different than an ASIC ...

**Keywords:** ASIP, FPGA, Nios, RTL generation, SPREE, application specific tradeoff, embedded processor, exploration, microarchitecture, pipeline, soft processor

8 User documentation for Design Automation at TI



Diana Mae Sims, James S. Crabbe

June 1981 **Proceedings of the 18th conference on Design automation**

**Publisher:** IEEE Press

Full text available: [pdf\(720.83 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The use of documentation in design automation is extensive. The "DADGUIDE" Documentation System at Texas Instruments' Design Automation Department accomplishes many documentation tasks by means of a set of procedures, local and central computers, word processing programs with macro capabilities, and physical text formatters. The documentation output is resident on a data set at the central computing facility. When users request documents through submission of batch jobs, they execute ...

9 Session IV - hypertext systems: Intermedia: issues, strategies, and tactics in the design of a hypermedia document system



L. Nancy Garrett, Karen E. Smith, Norman Meyrowitz

December 1986 **Proceedings of the 1986 ACM conference on Computer-supported cooperative work**

**Publisher:** ACM Press

Full text available: [pdf\(1.20 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

A hypermedia system provides a tool for cooperative work by allowing writers and designers to share a network of linked documents where they can create documents, link their own and others' documents together, and leave notes for one another. This paper discusses issues that designers need to address in the development of hypermedia systems. Major issues involve what kind of linking, contexts, and visual modeling the system provides. The composite of the answers to these issues determines the nature ...

10 The impact and use of computer technology by the police



Kent W. Colton

January 1979 **Communications of the ACM**, Volume 22 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(1.29 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Over the past decade there has been a significant growth in the use of computer technology by U.S. police departments. This growth, however, has been at a slower rate

than predicted in the early 1970's. Further, when computer applications extend beyond "routine" uses to "nonroutine" efforts, such as resource allocation or computer-aided-dispatch systems where the machine begins to become a tool for decision making, strategic planning and person/machine interaction, t ...

**Keywords:** computer aided dispatch, computer technology, innovation, law enforcement, police command and control, police resource allocation, technology transfer

11 **MAELSTROM: efficient simulation-based synthesis for custom analog cells** 

 Michael Krasnicki, Rodney Phelps, Rob A. Rutenbar, L. Richard Carley  
June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**

**Publisher:** ACM Press

Full text available:  pdf(129.41 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 **Power grid, thermal, and leakage issues: LAP: a logic activity packing methodology for leakage power-tolerant FPGAs** 

 Hassan Hassan, Mohab Anis, Mohamed Elmasry  
August 2005 **Proceedings of the 2005 international symposium on Low power electronics and design ISLPED '05**

**Publisher:** ACM Press

Full text available:  pdf(667.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


As FPGAs enter the nanometer regime, several modifications are needed to reduce the increasing leakage power dissipation. Hence, this work presents some modifications to the FPGAs CAD flow to mitigate leakage power dissipation through the use of multi-threshold CMOS technologies to pack and place logic blocks that exhibit similar idleness close to each other so they can be turned off during their idle time. The modifications are integrated into the VPR flow and tested on several FPGA bench ...

**Keywords:** FPGA, activity profile, basic logic elements (BLEs), configurable logic blocks (CLBs), packing, sleep transistor (ST), sub-threshold leakage power

13 **An interactive tool for register-level structure optimization** 

 D. W. Knapp  
June 1989 **Proceedings of the 26th ACM/IEEE conference on Design automation**

**Publisher:** ACM Press

Full text available:  pdf(435.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a program named RLEXT (Register Level Exploration Tool), which allows a user to manually modify a register-level datapath design. The allowed operations are addition and deletion of components and connections. Any component not an i/o port, a register, or an addressable memory may be added or deleted. Any wire or connection of a pin to a wire may be added or deleted. The unique aspect of RLEXT is that the continued ability of the datapath to support its behavioral specif ...

14 **A prototype framework for knowledge-based analog circuit synthesis** 

 R. Harjani, R. A. Rutenbar, L. R. Carley  
October 1987 **Proceedings of the 24th ACM/IEEE conference on Design automation**

**Publisher:** ACM Press

Full text available:  pdf(1.07 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An organization for a knowledge-based analog circuit synthesis tool is described. Analog circuit topologies are represented as a hierarchy of functional blocks; a planning mechanism is introduced to translate performance specifications between levels in this circuit hierarchy. A prototype implementation, OASYS, synthesizes sized transistor schematics for simple CMOS operational amplifiers from performance specifications and process parameters, and demonstrates the workability of the approach ...

15 User interface software tools



Brad A. Myers

March 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 2 Issue 1

**Publisher:** ACM Press

Full text available: pdf(3.25 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Almost as long as there have been user interfaces, there have been special software systems and tools to help design and implement the user interface software. Many of these tools have demonstrated significant productivity gains for programmers, and have become important commercial products. Others have proven less successful at supporting the kinds of user interfaces people want to build. This article discusses the different kinds of user interface software tools, and investigates why some ...

**Keywords:** interface builders, toolkits, user interface development environments, user interface software

16 Future Design Trends: A roadmap and vision for physical design



Andrew B. Kahng

April 2002 **Proceedings of the 2002 international symposium on Physical design**

**Publisher:** ACM Press

Full text available: pdf(305.03 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This invited paper offers "roadmap and vision" for physical design. The main messages are as follows. (1) The high-level roadmap for physical design is static and well-known. (2) Basic problems remain untouched by fundamental research. (3) Academia should not overemphasize back-filling and formulation over innovation and optimization. (4) The physical design field must become more mature and efficient in how it prioritizes research directions and uses its human resources. (5) The scope of physical design ...

17 Constraint management for collaborative electronic design



Juan Antonio Carballo, Stephen W. Director

June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**

**Publisher:** ACM Press

Full text available: pdf(1.62 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

18 Poster Session: Deformation of finite element meshes using directly manipulated free-form deformation



Norbert Frisch, Thomas Ertl

June 2002 **Proceedings of the seventh ACM symposium on Solid modeling and applications**

**Publisher:** ACM Press

Full text available: pdf(704.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

CrashViewer [5, 18] is a tool for visualizing car crash simulation input and output data consisting of nite element meshes. For a shorter work ow, a feature for local deformation of the car components represented by FE meshes is desired. This feature allows to quickly make minor corrections and enhancements directly on the FE mesh. The roundtrip through the CAD department and the remeshing of the CAD representation is avoided. The crash simulation can be started immediately with the modified car ...

**Keywords:** CAD, free-form deformation, nite elements

19 Collision detection and proximity queries



Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson  
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

**Publisher:** ACM Press

Full text available: [pdf\(11.22 MB\)](#) Additional Information: [full citation](#), [abstract](#)

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

20 A personal view of the personal work station: some firsts in the Fifties



Douglas Ross  
January 1986 **Proceedings of the ACM Conference on The history of personal workstations**

**Publisher:** ACM Press

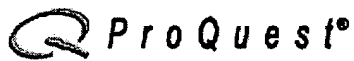
Full text available: [pdf\(4.26 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.  
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads: [Adobe Acrobat](#) [QuickTime](#) [Windows Media Player](#) [Real Player](#)


[Return to the USPTO NPL Page](#) | [Help](#)


Interface language:

[English](#)

Databases selected: Multiple databases...

## Results

9 documents found for: (d-cubed "dimensional constraint manager") AND PDN  
(<2/25/2002)

[» Refine Search](#) | [Set Up Alert](#)
[All sources](#) | [Trade Publications](#)

☐ Mark all ☐ 0 marked items: [Email](#) / [Cite](#) / [Export](#)

☐ [Show only full text](#)

Sort results by: [Most recent first](#)

- 
- ☐ 1. **Component behavior simulation refined**  
 Joe Greco. **DPN : Design Product News**. Willowdale: Jan/Feb 2002. Vol. 30, Iss. 1; p. 25 (1 page)  
[Abstract](#)

---

  - ☐ 2. **Deals**  
 Anonymous. **Manufacturing Engineering**. Dearborn: May 2001. Vol. 126, Iss. 5; p. 40 (2 pages)  
[Full text](#) [Page Image - PDF](#) [Citation](#)

---

  - ☐ 3. **The advancing state of solid modeling**  
 Robert Mills. **Computer - Aided Engineering**. Cleveland: Sep 1998. Vol. 17, Iss. 9; p. 56 (6 pages)  
[Text+Graphics](#) [Page Image - PDF](#) [Abstract](#)

---

  - ☐ 4. **SolidWorks 98**  
 Beverly A Beckert. **Computer - Aided Engineering**. Cleveland: May 1998. Vol. 17, Iss. 5; p. 28 (1 page)  
[Full text](#) [Page Image - PDF](#) [Abstract](#)

---

  - ☐ 5. **Autofact '97: Making manufacturing accessible**  
 Janmarie Knoth. **Computer - Aided Engineering**. Cleveland: Oct 1997. Vol. 16, Iss. 10; p. 36 (9 pages)  
[Text+Graphics](#) [Page Image - PDF](#) [Abstract](#)

---

  - ☐ 6. **Cool CAE sites**  
 Anonymous. **Computer - Aided Engineering**. Cleveland: Aug 1996. Vol. 15, Iss. 8; p. 88 (1 page)  
[Text+Graphics](#) [Page Image - PDF](#) [Citation](#)

---

  - ☐ 7. **The constraint management company**  
 Anonymous. **Computer - Aided Engineering**. Cleveland: Aug 1996. Vol. 15, Iss. 8; p. 26 (1 page)  
[Full text](#) [Page Image - PDF](#) [Abstract](#)

---






  - ☐ 8. **ACIS Tech-Ex '96 explores 3D components**  
 Woodlock, Janmarie. **Computer - Aided Engineering**. Cleveland: Mar 1996. Vol. 15, Iss. 3; p. 26 (1 page)  
[Full text](#) [Page Image - PDF](#) [Abstract](#)

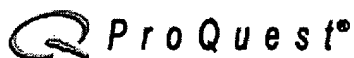
---

  - ☐ 9. **Autodesk Licenses Constraint Management Technology**  
 Zarrillo, Andrew. **Business Wire**. New York: Feb 26, 1990. p. 1  
[Full text](#) [Abstract](#)

---

1-9 of 9

Want to be notified of new results for this search? [Set Up Alert](#) Results per page: **30** **Advanced Search** [Tools:](#) [Search Tips](#) [Browse Topics](#) [3 Recent Searches](#)  ☐ Citation and document text    ☐ Citation and abstract    ☐ Citation and abstract [Add a row](#) | [Remove a row](#)**Search****Clear**Database:   [Select multiple databases](#)Date range:    [About](#)Limit results to: ☒ Full text documents only ☒ Scholarly journals, including peer-reviewed  [About](#) [More Search Options](#)Copyright © 2006 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)[Text-only interface](#)**ProQuest**  
COMPANY


[Return to the USPTO NPL Page](#) | [Help](#)


Interface language:

English

Databases selected: Multiple databases...

**Results** – powered by ProQuest® Smart Search[Suggested Topics](#) [About](#)< Previous | [Next](#) >[Browse Suggested Publications](#)< Previous | [Next](#) >[D \(company/org\)](#)[D \(company/org\) AND J \(company/org\)](#)[D \(company/org\) AND Power And Associates](#)[\(company/org\)](#)[D \(company/org\) AND A \(company/org\)](#)[PR Newswire; New York](#)[Knight Ridder Tribune Business News; Washington](#)8 documents found for: *CO(D-Cubed Ltd)* » [Refine Search](#) | [Set Up Alert](#)[All sources](#) | [Trade Publications](#)☐ Mark  
all☐ 0 marked items: [Email](#) / [Cite](#) / [Export](#)☐ [Show only full text](#)Sort results by: [Most recent first](#)

- 
- ☐ 1. **[UGS Completes Acquisition of D-Cubed](#)**  
Canada NewsWire. Ottawa: Jun 30, 2004. p. 1
- [Full text](#) [Abstract](#)
- 
- ☐ 2. **[UGS Completes Acquisition of D-Cubed](#)**  
PR Newswire. New York: Jun 30, 2004. p. 1
- [Full text](#) [Abstract](#)
- 
- ☐ 3. **[PLM supplier UGS to buy D-Cubed;](#)**  
*Lisa Troshinsky. Aerospace Daily & Defense Report.* Washington: Jun 9, 2004. Vol. 210, Iss. 49; p. 6
- [Full text](#) [Abstract](#)
- 
- ☐ 4. **[UGS to Acquire D-Cubed; Acquisition to Expand UGS Position as PLM Industry's Principal Supplier of State-of-the-Art Component Software Technology](#)**  
Canada NewsWire. Ottawa: Jun 8, 2004. p. 1
- [Full text](#) [Abstract](#)
- 
- ☐ 5. **[UGS to Acquire D-Cubed; Acquisition to Expand UGS Position as PLM Industry's Principal Supplier of State-of-the-Art Component Software Technology](#)**  
PR Newswire. New York: Jun 8, 2004. p. 1
- [Full text](#) [Abstract](#)
- 
- ☐ 6. **[Alibre Pursues Producers of RaceCAD for Stealing Alibre Design Source Code; Source Code Theft by Former Employee Casts Doubt on Outsourced Software Development in Russia and Other Countries](#)**  
*Business Editors/High-Tech Writers. Business Wire.* New York: Oct 23, 2003. p. 1
- [Full text](#) [Abstract](#)
- 
- ☐ 7. **[Component behavior simulation refined](#)**  
*Joe Greco. DPN : Design Product News.* Willowdale: Jan/Feb 2002. Vol. 30, Iss. 1; p. 25 (1 page)

[Abstract](#)

- ☐ 8. **Autodesk Licenses Constraint Management Technology**  
Zarrillo, Andrew. *Business Wire*. New York: Feb 26, 1990. p. 1

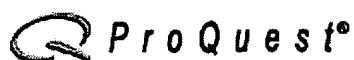
[Full text](#)[Abstract](#)

1-8 of 8

Want to be notified of new results for this search? [Set Up Alert](#)Results per page: **30**Did you find what you're looking for? If not, [refine your search](#) below or try these suggestions.**Suggested Topics** [About](#)< Previous | [Next >](#)**Browse Suggested Publications**  
[About](#)< Previous |  
[Next >](#)[D \(company/org\)](#)[D \(company/org\) AND J \(company/org\)](#)[D \(company/org\) AND Power And Associates](#)[\(company/org\)](#)[D \(company/org\) AND A \(company/org\)](#)[PR Newswire: New York](#)[Knight Ridder Tribune Business News: Washington](#)

## Basic Search

[Tools:](#) [Search Tips](#) [Browse Topics](#) [2 Recent Searches](#)Database:  [Select multiple databases](#)Date range: Limit results to: ☒ Full text documents only☒ Scholarly journals, including peer-reviewed [About](#)[More Search Options](#)Copyright © 2006 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)[Text-only interface](#)**ProQuest**  
COMPANY

[Return to the USPTO NPL Page](#) | [Help](#)

Interface language:

English

Databases selected: Multiple databases...

## Results

2 documents found for: (d-cubed "dimensional constraint manager") AND PDN  
(<2/25/2002)

[» Refine Search](#) | [Set Up Alert](#) [All sources](#) | [Trade Publications](#)☐ Mark all 0 marked items: Email / Cite / Export [Show only full text](#)Sort results by: [Most recent first](#)

- 
- ☐ 1. **Component behavior simulation refined**  
Joe Greco. DPN : Design Product News. Willowdale: Jan/Feb 2002. Vol. 30, Iss. 1; p. 25 (1 page)

[Abstract](#)

- 
- ☐ 2. **Autodesk Licenses Constraint Management Technology**  
Zarrillo, Andrew. Business Wire. New York: Feb 26, 1990. p. 1

[Full text](#) [Abstract](#)

---

1-2 of 2Want to be notified of new results for this search? [Set Up Alert](#) Results per page: [30](#)

## Basic Search

[Tools:](#) [Search Tips](#) [Browse Topics](#) [1 Recent Searches](#)Database: [Multiple databases...](#) [Select multiple databases](#)Date range: [Before this date...](#)  [About](#)Limit results to: ☒ Full text documents only ☐ Scholarly journals, including peer-reviewed [About](#)[More Search Options](#)Copyright © 2006 ProQuest Information and Learning Company. All rights reserved. [Terms and Conditions](#)[Text-only interface](#)



[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#)

**Welcome United States Patent and Trademark Office**

 **View Selected Items**

**BROWSE**

## SEARCH

IEEE XPLORE GUIDE

### Results for " (hoffmann c. m.<in>au) "

**Your search matched 5 of 1318251 documents. You selected 2 items.**



» Download Citations

**Display Format:**

**C**

### Citation



### Citation & Abstract

Citation & Abstract 

### Article Information

View: 1-2 |

ASCII Text  

» [Learn more](#)

» **Key**

IEEE JNL IEEE Journal or Magazine

IEE JNL      IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

<b>IEEE STD</b>	<b>IEEE Standard</b>
-----------------	----------------------

## 1. A road map to solid modeling

Hoffmann, C.M.; Rossignac, J.R.

Visualization and Computer Graphics, IEEE Transactions on

**Volume: 2 Issue: 1 Mar 1996**

Page(s): 3-10

Digital Object Identifier 10.1109/2945.489381

**Summary:** The objective of solid modeling is to represent, manipulate and reason about the 3D shape of solid objects using a computer. Such representations should be unambiguous. Solid modeling's major application areas include design, manufacturing, and simulation.

[AbstractPlus](#) | [References](#) | [Full Text: PDF](#) [IEEE JNL](#)

## 2. Variational constraints in 3D

Durand, C.; Hoffmann, C.M.

Shape Modeling and Applications, 1999, Proceedings, Shape Modeling International '99, International Conference  
1-4 Mar 1999

Page(s): 90-97

Digital Object Identifier 10.1109/SMA.1999.749328

**Summary:** Geometric constraint solving is an integral part of computer aided design, serving the role both of defining the geometric elements in relation to each other, as well as dimensioning and constraining their shapes accurately to ....

AbstractPlus | Full Text: PDF | IEEE CNF

View: 1-2 | View Search

[Help](#)   [Contact Us](#)   [Privacy](#)

© Copyright 2006 IE

Indexed by  
**INSPEC**



Welcome United States Patent and Trademark Office

☐ Search Results

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "(hoffmann c. m.&lt;in&gt;au)"

Your search matched 5 of 1318251 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

☒ e-mail

## » Search Options

[View Session History](#)
[New Search](#)

## Modify Search

(hoffmann c. m.&lt;in&gt;au)

Search &gt;

☐ Check to search only within this results set

 Display Format: ☒ Citation ☐ Citation & Abstract

[view selected items](#) [Select All](#) [Deselect All](#)

IEEE JNL IEEE Journal or Magazine  
 IEE JNL IEE Journal or Magazine  
 IEEE CNF IEEE Conference Proceeding  
 IEE CNF IEE Conference Proceeding  
 IEEE STD IEEE Standard

## » Key

- ☐ 1. **Robust set operations on polyhedral solids**  
 Hoffmann, C.M.; Hopcroft, J.E.; Karasick, M.J.;  
Computer Graphics and Applications. IEEE  
 Volume 9, Issue 6, Nov. 1989 Page(s):50 - 59  
 Digital Object Identifier 10.1109/38.41469  
[AbstractPlus](#) | Full Text: [PDF](#)(832 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 2. **The problems of accuracy and robustness in geometric computation**  
 Hoffmann, C.M.;  
Computer  
 Volume 22, Issue 3, March 1989 Page(s):31 - 39, 41  
 Digital Object Identifier 10.1109/2.16223  
[AbstractPlus](#) | Full Text: [PDF](#)(996 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 3. **Implicit curves and surfaces in CAGD**  
 Hoffmann, C.M.;  
Computer Graphics and Applications. IEEE  
 Volume 13, Issue 1, Jan. 1993 Page(s):79 - 88  
 Digital Object Identifier 10.1109/38.180121  
[AbstractPlus](#) | Full Text: [PDF](#)(840 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 4. **A road map to solid modelling**  
 Hoffmann, C.M.; Rossignac, J.R.;  
Visualization and Computer Graphics. IEEE Transactions on  
 Volume 2, Issue 1, March 1996 Page(s):3 - 10  
 Digital Object Identifier 10.1109/2945.489381  
[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(960 KB) IEEE JNL  
[Rights and Permissions](#)
- ☐ 5. **Variational constraints in 3D**  
 Durand, C.; Hoffmann, C.M.;  
Shape Modeling and Applications. 1999. Proceedings. Shape Modeling International '99. Internatio  
 1-4 March 1999 Page(s):90 - 97  
 Digital Object Identifier 10.1109/SMA.1999.749328

[AbstractPlus](#) | Full Text: [PDF\(132 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)

Indexed by  
 Inspec

[Help](#) [Contact Us](#) [Privacy](#)

© Copyright 2006 IE